

Amendments to the Claims:

Please delete all claims and add the following new claims:

12/6

27.

(New) A cylinder head in which a water jacket is formed around a cylinder top portion, and which, combined with a separate cylinder block, forms an engine main body, the cylinder head comprising:

a main body cylinder head which has a mounting surface and which defines a cylinder top portion side of the water jacket, and

an outer cylinder head which is molded separately from the main body cylinder head as a cylinder head portion which defines a side of the water jacket opposite the cylinder side, the outer cylinder head being arranged in a predetermined position so as to be on the mounting surface of the main body cylinder head so as to define, together with the main body cylinder head, the water jacket, the outer cylinder head to be fixed in place while pressed between the cylinder block and the main body cylinder head while arranged in the predetermined position.

28.

(New) The cylinder head according to claim 27, wherein a positioning portion for determining a mounting position of the outer cylinder head with respect to the main body cylinder head is formed on at least one of the main body cylinder head and the outer cylinder head.

29.

(New) The cylinder head according to claim 27, wherein the outer cylinder head is formed of a resin or a resin composite.

30.

(New) The cylinder head according to claim 27, wherein the outer cylinder head is formed of one or two or more materials selected from the group consisting of an aluminum alloy, a magnesium alloy, a resin, a resin composite, and a ceramic.

31.

(New) The cylinder head according to claim 27, wherein the main body cylinder head is molded by casting using an aluminum alloy or a magnesium alloy.

³⁰
~~32.~~ (New) An engine main body comprising:
a cylinder block in which a water jacket is formed around a cylinder,
and which has a main body cylinder block having a mounting surface and
defining a cylinder side of the water jacket and an outer cylinder block; and
a main cylinder head in which the water jacket is formed around a
cylinder top portion, and has a mounting surface,
wherein the outer cylinder block which is molded separately from
the main body cylinder block and the main body cylinder head as a cylinder
block portion which defines a side of the water jacket opposite the cylinder
side and the cylinder top portion side, the outer cylinder block being
arranged in a predetermined position so as to be between the mounting
surface of the main body cylinder block and the mounting surface of the
main body cylinder head so as to define, together with the main body
cylinder block and the main body cylinder head, the water jacket, the outer
cylinder block being fixed in place while pressed between the main body
cylinder block and the main body cylinder head while arranged in the
predetermined position.

³¹
~~33.~~ (New) The engine main body according to claim 32, wherein a
positioning portion for determining a mounting position of the outer cylinder
block with respect to the main body cylinder block is formed on at least one
of the main body cylinder block and the outer cylinder block.

³²
~~34.~~ (New) The engine main body according to claim 32, wherein
the outer cylinder block is formed of a resin or a resin composite.

³³
~~35.~~ (New) The engine main body according to claim 32, wherein
the outer cylinder block is formed of one or two or more materials selected
from the group consisting of an aluminum alloy, a magnesium alloy, a resin,
a resin composite, and a ceramic.

³⁴
~~36.~~ (New) The engine main body according to claim 32, wherein
the main body cylinder block is molded by casting using an aluminum alloy

or a magnesium alloy.

³⁵37. (New) The engine main body according to claim 36, wherein the main body cylinder block has a cylinder liner cast into a bore portion of the main body cylinder block.

³⁶38. (New) The engine main body according to claim 36, wherein a bore portion of the main body cylinder block is surface treated so as to be wear-resistant.

³⁷39. (New) The engine main body according to claim 32, wherein the main body cylinder head is molded by casting using an aluminum alloy or a magnesium alloy.

³⁸40. (New) The engine main body according to claim 32, wherein the outer cylinder block is fixed between the main body cylinder block and the main body cylinder head with a fastening bolt.

³⁹41. (New) The engine main body according to claim 32, wherein sealing material or welding is used to seal between the main body cylinder block and the outer cylinder block.

⁴⁰42. (New) An engine main body comprising the cylinder head according to claim 27 and a cylinder block, the outer cylinder head being fixed between the cylinder block and the main body cylinder head with a fastening bolt.

⁴¹43. (New) The engine main body according to claim 42, wherein sealing material or welding is used to seal between the main body cylinder head and the outer cylinder head.

⁴²44. (New) An engine main body comprising:
a cylinder head according to claim 27; and
a cylinder block in which a water jacket is formed around a cylinder,

wherein the cylinder block has a main body cylinder block which has a mounting surface and which defines a cylinder side of the water jacket, and an outer cylinder block which is molded separately from the main body cylinder block as a cylinder block portion which defines a side of the water jacket opposite the cylinder side, the outer cylinder block being arranged in a predetermined position so as to be on the mounting surface of the main body cylinder block so as to define, together with the main body cylinder block, the water jacket, the outer cylinder block to be fixed in place while pressed between the cylinder head and the main body cylinder block while arranged in the predetermined position.

~~43~~ 45. (New) The cylinder block according to claim 44, wherein a positioning portion for determining a mounting position of the outer cylinder block with respect to the main body cylinder block is formed on at least one of the main body cylinder block and the outer cylinder block.

~~44~~ 46. (New) The cylinder block according to claim 44 wherein the outer cylinder block is formed of a resin or a resin composite.

~~45~~ 47. (New) The cylinder block according to claim 34, wherein the outer cylinder block is formed of one or two or more materials selected from the group consisting of an aluminum alloy, a magnesium alloy, a resin, a resin composite, and a ceramic.

~~46~~ 48. (New) The cylinder block according to claim 44, wherein the main body cylinder block is molded by casting using an aluminum alloy or a magnesium alloy.

~~47~~ 49. (New) The cylinder block according to claim 48, wherein the main body cylinder block has a cylinder liner cast into a bore portion of the main body cylinder block.

~~48~~ 50. (New) The cylinder block according to claim 48, wherein a bore portion of the main body cylinder block is surface treated so as to be

wear-resistant.

49
51. (New) A cylinder head in which a water jacket is formed around a top portion of a cylinder, and which forms an engine main body by being combined with a cylinder block provided separately from the cylinder head comprising:

a main cylinder head which defines an inner side surface and a top surface of the water jacket formed in the cylinder head, and which has a fitting surface; and

an outer cylinder head which is molded separately from the main cylinder head, as a portion of the cylinder head, the portion defining an outer side surface of the water jacket formed in the cylinder head, which is fitted on the fitting surface of the main cylinder head so that the outer cylinder head and the main cylinder head form the water jacket in the cylinder head, and which can be pressed between the cylinder block and the main cylinder head while the water jacket in the cylinder head is formed.

50
52. (New) An engine main body comprising:

a cylinder block in which a portion of a water jacket is formed around a cylinder, which has a main cylinder block and an outer cylinder block, the main cylinder block defining a bottom surface and a part of an inner side surface of the water jacket, and which has a fitting surface; and

a main cylinder head in which the other portion of the water jacket is formed around a top portion of the cylinder, and which defines the other part of the inner side surface and a top surface of the water jacket, and which has a fitting surface,

wherein an outer cylinder block which is molded separately from the main cylinder block and the main cylinder head, as a portion of the cylinder block, the portion defining an outer side surface of the water jacket, which is fitted between the fitting surface of the main cylinder block and the fitting surface of the main cylinder head so that the outer cylinder block, the main cylinder block, and the main cylinder head form the water jacket, and which can be pressed between the main cylinder block and the main cylinder head while the water jacket is formed.